INTERSECTION OPERATION

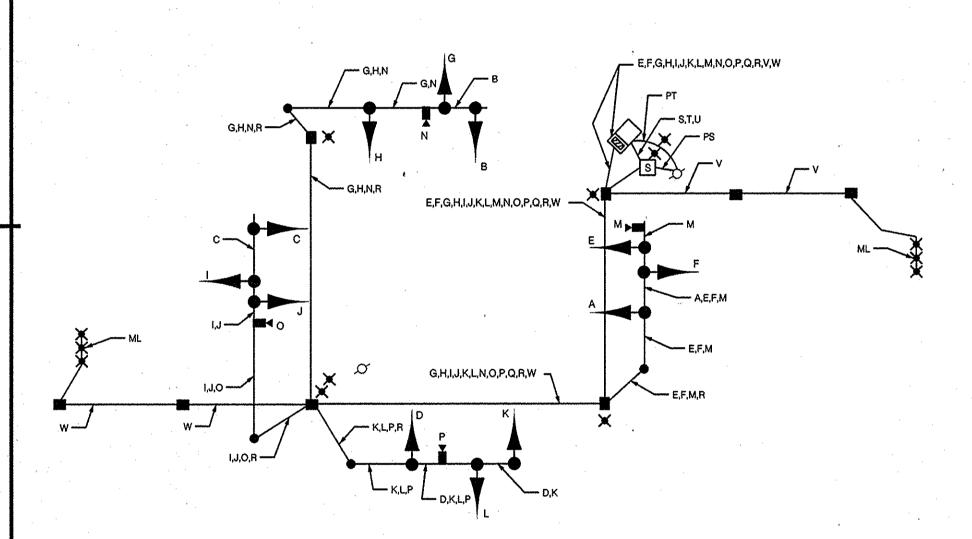
THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR NORTHBOUND AND SOUTHBOUND US 11. THIS INTERSECTION WILL BE INTERCONNECTED TO THE EXISTING TRAFFIC SIGNAL AT US 11 AND MAUGANS AVENUE.

CONTROLLER REQUIREMENTS

INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH SYSTEM PACKAGE AND VIDEO DETECTION INTERFACE EQUIPMENT HOUSED IN A NEMA "6" BASE MOUNTED CABINET.

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF THE MSHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR MUST PROVIDE MR. SNYDER WITH THE NEAREST ADDRESS, ZIP CODE, AND PHONE NUMBER.

WIRING DIAGRAM



WIRING KEY

7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) MICRO-LOOP PROBE LEAD-IN

MICRO-LOOP PROBE

EQUIPMENT LIST "A"

A EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

QUANTITY DESCRIPTION <u>ITEM NO.</u>

NONE

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR, ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

<u>(</u>	YTITMAUC	DESCRIPTION
."	LS	MAINTENANCE OF TRAFFIC
	5 CY	TEST PIT EXCAVATION
	2 EA	FURNISH AND INSTALL HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING ARROW
	130 LF	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
ř	300 LF	FURNISH AND INSTALL 12 IN WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
	100 LF	FURNISH AND INSTALL 5 IN. YELLOW HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
:	1400 LF	FURNISH AND INSTALL 5 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
	4 EA	FURNISH AND INSTALL 250 FT. VIDEO DETECTION CABLE
	2 EA	CUT, CLEAN, AND CAP TRAFFIC SIGNAL STRUCTURE
	32 EA	FURNISH AND INSTALL 12 IN. L.E.D. VEHICULAR SIGNAL HEAD SECTION
	12 EA	FURNISH AND INSTALL 8 IN. L.E.D. VEHICULAR SIGNAL HEAD SECTION
9	2 EA	FURNISH AND INSTALL 16.5 FT. MAST ARM POLE AND 38 FT. MAST ARM (15 FT. "T" DIMENSION)
	1 EA	FURNISH AND INSTALL 16.5 FT. MAST ARM POLE AND 60 FT. MAST ARM (15 FT. "T" DIMENSION)
	1 EA	FURNISH AND INSTALL 27 FT. MAST ARM POLE AND 70 FT. MAST ARM
	4 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA
	1 EA	FURNISH AND INSTALL VIDEO INTERFACE EQUIPMENT
	60 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
	20 LF	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
	220 LF	FURNISH AND INSTALL 4 IN SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - SLOTTED
	820 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
	220 LF	FURNISH AND INSTALL 4 IN SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
	18 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
•	35 LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS (4 IN. X 6 IN.)
	220 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER WIRE
	1 EA	FURNISH AND INSTALL METERED SERVICE PEDESTAL
	70 LF	FURNISH AND INSTALL ELECTRICAL CABLE 1-CONDUCTOR (NO. 4 A.W.G.)
	9 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
	1300 LF	FURNISH AND INSTALL 12-PAIR COMMUNICATION CABLE - UNDERGROUND
	7 EA	FURNISH AND INSTALL GROUND ROD 3/4 IN DIAMETER X 10 FT. LENGTH
	100 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 A.W.G.)
	1925 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 A.W.G.)
	1 EA	FURNISH AND INSTALL BASE MOUNTED CABINET AND CONTROLLER
	1 EA	FURNISH AND INSTALL D3-2 DUAL FACE SIGN (VAR. X 16") - MAST ARM MOUNT
	2 EA	FURNISH AND INSTALL M95-1/D3-2 SIGN (72" X 40") - MAST ARM MOUNT
	2 EA	FURNISH AND INSTALL W3-3 SIGN (36" X 36") WITH "NEW" PANEL (30" X 30") - GROUND MOUNT
	3 EA	FURNISH AND INSTALL STANDARD SIDEWALK RAMP WITH DETECTABLE WARNING SURFACE
	1 EA	FURNISH AND INSTALL FOUR-CHANNEL TIME DELAY OUTPUT LOOP DETECTOR AMPLIFIER
	1 EA	FURNISH AND INSTALL MICRO-LOOP PROBE WITH 500 FT. LEAD-IN
	1 EA	FURNISH AND INSTALL MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN
	15 LF	FURNISH AND INSTALL 1 IN LIQUID-TIGHT NON-METALLIC CONDUIT-DETECTOR SLEEVE
	100 LF	FURNISH AND INSTALL SAWCUT
	100 LF	REMOVE EXISTING PAVEMENT MARKING

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

DESCRIPTION

CONTACT PERSONS FOR DISTRICT 6 ARE AS FOLLOWS:

MR. GEORGE SMALL

MR. GEORGE FRANKENBURY

ASSISTANT DISTRICT ENGINEER - TRAFFIC (301) 729-8444

ASSISTANT DISTRICT ENGINEER - MAINTENANCE (301) 729-8457

MR. LARRY HUMBERTSON

ASSISTANT DISTRICT ENGINEER - UTILITIES

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS

TEAM LEADER SIGN OPERATIONS

(410) 787-7630

(410) 787-7676

MR. ROBERT SNYDER

MS. DARLENE EIDE

MR. EUGENE BAILEY

ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS

SUPPLY OFFICE SIGNAL SHOP WAREHOUSE (410) 787-7668

(410) 787-7631

MR. ED RODENHIZER

TEAM LEADER SIGNAL OPERATIONS (410) 787-7652

PHASE CHART

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PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	G	G	Π.
4 & 8 CHANGE	R	R	R	R	R	R	Υ	Υ	Υ	Υ	Y	Υ	ŀ↓
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	-

1 REDLINE REVISION

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN US 11 AND NORTH POINTE DRIVE HAGERSTOWN, MARYLAND

CONTRACT NO. BW996M82 DRAWING NO. TS-260G GI SHEET NO. 4 OF 4

Gambrills, MD 21054 (410) 923-7101 FAX (410) 923-6473 EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

TRAFFIC CONCEPTS INC.

325 Gambrills Road

Suite E